		For r	eceiving Office use only					
	PCT	International Application	17 SEP 2004					
		international Application						
	REQUEST	International Filing Date	<u> </u>					
		monadan i mig Date						
inter	ndersigned requests that the present mational application be processed ing to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"						
		Applicant's or agent's fi (if desired) (12 character	ile reference rs maximum) P8558PC					
Box No. I	TITLE OF INVENTION							
	A transcutaneous port de	evice						
Box No. II	APPLICANT This perso	n is also inventor						
The address mus	dress: (Family name followed by given name; for a legal ent st include postal code and name of country. The country of t ant's State (that is, country) of residence if no State of residen	he address indicated in this	Telephone No.					
рох в те вррпа		,	Facsimile No.					
	TRANSCUTAN AB Björnflokevägen 35		Teleprinter No.					
	S-162 45 Vällingby		releprinter No.					
	Sweden		Applicant's registration No. with the Office					
State (that is, o	country) of nationality: Sweden	State (that is, country) Sweden	of residence:					
This person is for the purpos			the United States of America only the States indicated in the Supplemental Box					
Box No. III	FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)						
The address mu	dress: (Family name followed by given name; for a legal en st include postal code and name of country. The country of ant's State (that is, country) of residence if no State of residen	tity, full official designation. the address indicated in this	This person is: applicant only					
	LUNDGREN, Dan	X applicant and inventor						
	Askims Kyrkväg 5		inventor only (If this check-box is marked, do not fill in below.)					
	S-436 51 Hovås Sweden		Applicant's registration No. with the Office					
	5weden		Applicant Stegistration No. with the Office					
State (that is,	country) of nationality: Sweden	State (that is, country) Sweden	of residence:					
This person is for the purpos			the United States of America only the States indicated in the Supplemental Box					
	applicants and/or (further) inventors are indicated	on a continuation sheet.						
Box No. IV	AGENT OR COMMON REPRESENTATIV	E; OR ADDRESS FOR	CORRESPONDENCE					
The person id		on behalf	agent common representative					
Name and ad	dentified below is hereby/has been appointed to act ant(s) before the competent International Authorities	es as:						
	dentified below is hereby/has been appointed to act ant(s) before the competent International Authorition dress: (Family name followed by given name; for a legal en The address must include postal code and name of	es as: All official designation.	Telephone No. +46 8 702 08 30					
	ant(s) before the competent International Authoritic dress: (Family name followed by given name; for a legal et The address must include postal code and name of Sundström, Per & Nilsso STENHAGEN PATENTBYRÅ AB	es as: ntity, full official designation. country.) n, Karl	Telephone No.					
	ant(s) before the competent International Authoritic dress: (Family name followed by given name; for a legal en The address must include postal code and name of Sundström, Per & Nilsso	es as: ntity, full official designation. country.) n, Karl	Telephone No. +46 8 702 08 30 Facsimile No.					

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Sheet No. . 2....

Continuation of Box No. III FURTHER APPLICANT(S) A		i
If none of the following sub-boxes is used, this sheet should not	be included in the reques	1.
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence NYMAN, Rickard Svartbäcksgatan 41 S-753 32 Uppsala Sweden	address indicated in this is indicated below.)	applicant only Applicant and inventor inventor only (If this check-box is marked, do not fill in below.) applicant's registration No. with the Office
State (that is, country) of nationality: Sweden	State (that is, country) of Sweden	
This person is applicant all designated for the purposes of: all designated the United States	States except the of America X of America	United States America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entit The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	e address maicated in inis	applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) pplicant's registration No. with the Office
State (that is, country) of nationality:	State (that is, country) of	f residence:
This person is applicant all designated for the purposes of:		United States the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	e acaress indicated in inis e is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality:	State (that is, country)	of residence:
This person is applicant all designated all designate for the purposes of:	d States except tates of America o	the United States in the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of residen	ne adaress indicateu in iris	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality:	State (that is, country)	of residence:
This person is applicant all designated for the purposes of:		the United States of America only the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated	on another continuation	sheet.

Tł	ne fol	lowing designations are hereby made	una	ler R	ulc 4.9(a):			
		nal Patent			(
	_	ARIPO Patent: GH Ghana, G		~	his ME Manua I C Leasthe MW	7 h.a	a la ss	M7 Mozambiona SD Sudan
		SL Sierra Leone, SZ Swaziland, TZ State which is a Contracting State specify on dotted line)	of	nited the l	Republic of Tanzania, UG Uganda, Harare Protocol and of the PCT (if o	ZM thei	Zar kind	nbia, ZW Zimbabwe, and any other dof protection or treatment desired,
Ø	EA	Eurasian Patent: AM Armenia, A RU Russian Federation, TJ Tajikis Patent Convention and of the PCT	Z A tan	zert TM	paijan, BY Belarus, KG Kyrgyzstan, i I Turkmenistan, and any other State v	KZ vhic	Kaz ch is	akhstan, MD Republic of Moldova, a Contracting State of the Eurasian
	EP European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT							
Ø	OA	TD Chad, TG Togo, and any other	tori Sta	al G te w	n, CF Central African Republic, CG uinea, GW Guinea-Bissau, ML Mal hich is a member State of OAP1 and an dotted line)	i, M a Co	IR N ontra	Mauritania, NE Niger, SN Senegal, cting State of the PCT (if other kind
Na	tion	al Patent (if other kind of protection	or	treat	tment desired, specify on dotted line):			
X)	ΑE	United Arab Emirates	M	GM.	I Gambia	Ø	NZ	New Zealand
					Croatia	Ø	OM	I Oman
		Albania	Ø	HU	Hungary	Ø	PH	Philippines
Ø	AM	Armenia	Ø	Œ	Indonesia	奴	PL	Poland
Ø	ΑT	Austria	Ø	IL	Israel	\square	PT	Portugal
Ø	ΑU	Australia	Ø	IN	India	X	RO	Romania
Ø	ΑZ	Azerbaijan	Ø	IS	Iceland	\mathbf{K}	RU	Russian Federation
		Bosnia and Herzegovina				,		
					Келуа			Seychelles
		Bulgaria						
		Brazil						
		Belarus	-		of Korea			
		Belize						
		Canada	Ø	ΚZ	Kazakhstan	Ø	SL	Sierra Leone
		& LI Switzerland and Liechtenstein						Tajikistan
		China						Turkmenistan
			-		Liberia			Tunisia
		Costa Rica						
		Cuba						Trinidad and Tobago
		Czech Republic				-	•	
		Germany				XI	T7.	United Republic of Tanzania
		Denmark						
					Republic of Moldova			
		Algeria						
		Ecuador						Officed States of Afficience
		Estonia						
		Spain		TAT IV	Macedonia	<u>M</u>	VC	Saint Vincent and the Grandiner
				B // N				Viet Nam
		Finland			r Mongona VMalawi			
			•		Mexico			•
	GD	Grenada Georgia	KX DXT	IVIX	Mexico	KZI	LA	Z
/	GH	Ghana	K	-NO	Norway		· LW	Zimbabwe
Ch	eck-h	oxes below reserved for designating	Stat	es w	which have become party to the PCT a	ıfter	issu	ance of this sheet:
			\Box					
			$\overline{\Box}$					
					to the designations made above the			

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Sheet	No		4	Į	

Box No. VI PRIORITY	CLAIM					
The priority of the following	earlier application(s) is hereb	by claimed:				
Filing date						
of earlier application (day/month/year)	of earlier application	national application: regional application: regional Office		international application: receiving Office		
item (1) 08.04.2002	0201054-4	Sweden				
item (2)						
item (3)						
item (4)						
item (5)						
Further priority claims	are indicated in the Suppleme	ental Box.				
The receiving Office is requifithe earlier application was above as: all items item	filed with the Office which for	the purposes of this intern item (3) item	n (4) item (5)	other, see Supplemental Box		
* Where the earlier applicate Industrial Property or one M	fember of the World Trade O	rganization for which that	ry party to the Paris Com earlier application was j	vention for the Protection of filed (Rule 4.10(b)(ii)):		
Box No. VII INTERNAT	TIONAL SEARCHING AU	THORITY				
Choice of International Se international search, indicate	arching Authority (ISA) (if the Authority chosen; the two	two or more International o-letter code may be used)	Searching Authorities ar	e competent to carry out the		
ISA /						
Request to use results of e International Searching Auti	arlier search; reference to	that search (if an earlier	search has been carried	out by or requested from the		
Date (day/month/year)	Num	iber Con	untry (or regional Office))		
Box No. VIII DECLARA	TIONS	· · · · · · · · · · · · · · · · · · ·				
The following declarations check-boxes below and indicates	are contained in Boxes Nos	s. VIII (i) to (v) (mark the umber of each type of decl	e applicable aration):	Number of declarations		
Box No. VIII (i)	Declaration as to the identity of the inventor					
Box No. VIII (ii)	Declaration as to the app date, to apply for and be		the international filing	:		
Box No. VIII (iii)	Declaration as to the applicate, to claim the priorit	plicant's entitlement, as a y of the earlier application	at the international filing on	;		
Box No. VIII (iv)	Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America) :					
Box No. VIII (v)	Declaration as to non-pr	ejudicial disclosures or e	xceptions to lack of nov	elty :		

Box No. IX CHECK LIST; LANGUAGE (OF FILING	
This international application contains: (a) the following number of sheets in paper form:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items
request (including declaration sheets) : 5	l.	: 1
description (excluding sequence listing part) : 5 claims : 2	 3. original general power of attorney 4. copy of general power of attorney; reference number, 	:
abstract : 1	if any:	:
Sub-total number of sheets: 14	6. priority document(s) identified in Box No. VI as item(s): (.1.).	: 1
sequence listing part of description (actual mumber of sheets if filed in paper	7. translation of international application into (language):	:
form, whether or not also filed in computer readable form; see (b) below)	8. separate indications concerning deposited microorganism or other biological material	:
Total number of sheets : 14	9. Sequence listing in computer readable form (indicate also and number of carriers (diskette, CD-ROM, CD-R or oth	er))
(b) sequence listing part of description filed in computer readable form	(i) copy submitted for the purposes of international under Rule 13ter only (and not as part of the international application)	scarcii
 (i) ☐ only (under Section 801(a)(i)) (ii) ☐ in addition to being filed in paper form (under Section 801(a)(ii)) 	(ii) ☐ (only where check-box (b)(i) or (b)(ii) is marked column) additional copies including, where applied the copy for the purposes of international search	cable,
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which the sequence listing part is contained (additional copies to be indicated under item 9(ii), in	Rule 13ter (iii) together with relevant statement as to the identity of the copy or copies with the sequence listing parentioned in left column	: / urt :
right column):	10 other (specify):	:
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: Swedish	
	T, AGENT OR COMMON REPRESENTATIVE gning and the capacity in which the person signs (if such capacity is not obvious fr	nom reading the request).
1. Date of actual receipt of the purported	To receiving only as	2. Drawings:
international application:		received:
 Corrected date of actual receipt due to later timely received papers or drawings complethe purported international application: 	ting	
4. Date of timely receipt of the required corrections under PCT Article 11(2):		not received:
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid	
	For International Bureau use only	
Date of receipt of the record copy by the International Bureau:		

She	et '	No	٥.				

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)
The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:
I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.
This declaration is directed to the international application of which it forms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/. SE03/00527 (if furnishing declaration pursuant to Rule 261er).
I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.
I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed. No. 0201054-4, Sweden, 8 April 2002 Prior Applications:
I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.
Name: LUNDGREN, Dan
Residence: Hovås, Sweden (city and either US state, if applicable, or country)
Mailing Address: Askims Kyrkväg 5
S-436 51 Hovås, Sweden
Citizenship: Sweden Inventor's Signature: Date: April 6, 2003 (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: April 6, 2003 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
- ,
Name: NYMAN, Rickard
Residence: Uppsala, Sweden (city and either US state, if applicable, or country)
Mailing Address: Svartbäcksgatan 41
S-753 32 Oppsala, Sweden
Citizenship: Sweden Date: April 19, 2003
Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: APTLI 17.1. 2002 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

Sheet No.

Box No. VIII (ii) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT

The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (ii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:

in relation to this international application,

TRANSCUTAN AB is entitled to apply for and be granted a patent by virtue of the following:

an assignment from

LUNDGREN, Dan, Askims Kyrkväg 5, S-436 51 Hovås, Sweden and

NYMAN, Rickard, Svartbäcksgatan 41, S-753 32 Uppsala, Sweden

to TRANSCUTAN AB, dated April 6 resp. April 14, 2003.

This declaration is made for the purposes of all designations, except the designation of the United States of America.

This declaration is continued on the following sheet, "Continuation of Box No. VIII (ii)".

Sheet No.

Box No. VIII (iii) DECLARATION: ENTITLEMENT TO CLAIM PRIORITY

The declaration must conform to the standardized wording provided for in Section 213; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No.VIII (iii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):

in relation to this international application,

TRANSCUTAN AB is entitled to claim priority of earlier application

No. 0201054-4

by virtue of the following:

an assignment from LUNDGREN, Dan and NYMAN, Rickard to

TRANSCUTAN AB, dated April 6 resp. April 14, 2003.

This declaration is made for the purposes of all designations, except the designation of the United States of America.

This declaration is continued on the following sheet, "Continuation of Box No. VIII (iii)".